

What we claim is:

1. A hair styling appliance comprising:

a first handle;

5 a second handle, said second handle being operatively connected to said first handle;

a glass surface being disposed on at least one of said first and second handles; and

10 a heater being disposed in said at least one of said first and second handles for at least heating said glass surface.

2. The hair styling appliance of claim 1, wherein said glass surface provides a substantially planar working
15 surface.

3. The hair styling appliance of claim 1, wherein said glass surface provides a textured working surface.

20 4. The hair styling appliance of claim 1, wherein said glass surface is two glass surfaces, and wherein one of said glass surfaces is on said first handle and said other glass surface is on said second handle.

5. The hair styling appliance of claim 4, wherein said one glass surface on said first handle substantially opposes said other glass surface on said second handle.

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6. The hair styling appliance of claim 2, wherein each of said two glass surfaces provides a substantially planar working surface.

10 7. The hair styling appliance of claim 4, wherein said glass surface provides a textured working surface for said glass surface disposed on each of said first and second handles.

15 8. The hair styling appliance of claim 4, wherein said heater heats, at least, said glass surface.

9. The hair styling appliance of claim 1, wherein said glass surface has a surface roughness less than about 4800
20 Ra (Å).

10. The hair styling appliance of claim 1, wherein said glass surface has a surface roughness from about 150 Ra (Å) to about 4800 Ra (Å).

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11. The hair styling appliance of claim 1, wherein said glass surface has a surface roughness of about 180 Ra (Å).

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12. The hair styling appliance of claim 1, further comprising an adhesive for adhering said glass surface to said at least one of said first and second handles.

10 13. The hair styling appliance of claim 12, wherein said adhesive is thermally conductive.

14. The hair straightening appliance of claim 1, further comprising a retainer for maintaining said glass surface in thermal communication with said at least one of
15 said first and second handles.

15. The hair styling appliance of claim 1, wherein said glass surface is removably disposed on said at least
20 one of said first and second handles.

16. The hair styling appliance of claim 1, wherein said glass surface comprises a plate structure.

17. The hair styling appliance of claim 1, further comprising an anti-static material being disposed in or on said glass surface for providing an anti-static property to said glass surface.

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18. The hair styling appliance of claim 1, wherein said first and second handles provide a thermal conductive path from said heater to said glass surface.

10 19. A hair styling appliance comprising:

a first handle;

a second handle, said second handle being operatively connected to said first handle;

15 a smooth material surface being disposed on at least one of said first and second handles; and

a heater being disposed in said at least one of said first and second handles for at least heating said smooth material surface.

20 20. The hair styling appliance of claim 19, wherein said smooth material surface is a glass-type material.

21. The hair styling appliance of claim 19, wherein said smooth material surface provides a substantially
25 planar working surface.

22. The hair styling appliance of claim 19, wherein said smooth material surface provides a textured working surface.

5 23. The hair styling appliance of claim 19, wherein said smooth material surface is on both said first and second handle.

24. The hair styling appliance of claim 23, wherein
10 said one smooth material surface on said first handle substantially opposes said other smooth material surface on said second handles.

25. The hair styling appliance of claim 21, wherein
15 said smooth material surface provides a substantially planar working surface.

26. The hair styling appliance of claim 21, wherein said smooth material surface provides a textured working
20 surface for said smooth material surface disposed on each of said first and second handles.

27. The hair styling appliance of claim 21, wherein said heater heats, at least, said smooth material surface.

28. The hair styling appliance of claim 19, wherein said smooth material surface has a surface roughness less than about 4800 Ra(Å).

5 29. The hair styling appliance of claim 19, wherein said smooth material surface has a surface roughness of about 150 Ra(Å) to about 4800 Ra(Å).

10 30. The hair styling appliance of claim 19, wherein said smooth material surface has a surface roughness of about 180 Ra(Å).

15 31. The hair styling appliance of claim 19, further comprising an adhesive for adhering said smooth material surface to said at least one of said first and second handles.

32. The hair styling appliance of claim 31, wherein said adhesive is thermally conductive.

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33. The hair styling appliance of claim 19, further comprising a retainer for maintaining said smooth material surface in thermal communication with said at least one of said first and second handles.

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34. The hair styling appliance of claim 19, wherein said smooth material surface is removably disposed on said at least one of said first and second handles.

5 35. The hair styling appliance of claim 19, wherein said smooth material surface comprises a plate structure.

36. The hair styling appliance of claim 19, further comprising an anti-static material being in or on said
10 smooth material surface for providing an anti-static property to said smooth material surface.

37. The hair styling appliance of claim 19, wherein said first and second handles provide a thermal conductive
15 path from said heater to said smooth material surface.

38. The hair styling appliance of claim 19, wherein said smooth material surface is a glass-type material surface.

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